Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/28/2022 09:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125074	0	1.25	124979	1.24
Blue	F	SSC	125000	124482	-1	2.62	124934	2.42
Blue	E	FITC	13602	13142	-4	2.21	369	13.32
Blue	D	PE	24891	24408	-2	1.61	581	10.30
Blue	B	PerCP-Cy5-5	33972	32940	-4	2.91	939	14.58
Blue	A	PE-Cy7	22865	22465	-2	4.88	473	29.83
Red	C	APC	47198	46377	-2	2.64	1599	11.31
Red	A	APC-Cy7	26454	25540	-4	3.35	724	11.98
Violet	B	V450	6737	6395	-6	3.67	449	11.40
Violet	A	V500	29317	28063	-5	3.25	960	8.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24162	2.30	536	1	N/A	N/A	Pass
Blue	F	SSC	56116	1.91	516	-5	N/A	N/A	Pass
Blue	E	FITC	54	54.62	483	-1	0.0445	110	Pass
Blue	D	PE	113	37.53	486	0	0.4057	278	Pass
Blue	B	PerCP-Cy5-5	150	41.34	579	0	0.0212	111	Pass
Blue	A	PE-Cy7	77	82.37	622	1	0.0237	14	Pass
Red	C	APC	335	25.34	572	0	0.0291	175	Pass
Red	A	APC-Cy7	134	35.04	549	-2	0.0071	1764	Pass
Violet	B	V450	76	46.33	454	4	0.0556	2174	Pass
Violet	A	V500	113	31.41	474	5	0.0248	866	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.58	-31.29	0.96
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.34	13.90 - 20.86	N/A	N/A	29.74	29.96	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12133

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments